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IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1   1.   (currently amended) A method for registering at least one access point with a
2   gateway in a network, comprising:
3   broadcasting from a gateway, a discovery message to said at least one access
4   point in said network;
5   receiving at said gateway, from at least one access point receiving said discovery
6   message, an access point registration request comprising access point location, IP address,
7   MAC address, radio type, and power level information of said access point; and
8   storing said access point registration request information at said gateway.

1   2.   (original) The method of claim 1, wherein each access point selects a random
2   delay prior to sending said access point registration request to said broadcasting gateway.

1   3.   (original) A method for registering at least one access point with a gateway in a
2   network, comprising:
3   broadcasting a gateway discovery query message from said at least one access
4   point;
5   receiving from said at least one gateway, a respective service discovery message;
6   selecting an appropriate gateway in an instance where more than one service
7   discovery message is received; and
8   sending an access point registration request comprising access point location, IP
9   address, MAC address, radio type, and power level information of said access point to
10   said selected gateway.

1   4.   (original) The method of claim 3, wherein said selecting further comprises:
2   determining if said access point is currently registered; and

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3   sending said service discovery message to said access point.

1   5.   (original) The method of claim 3, wherein said selecting comprises:

2   determining an appropriate gateway using at least one of the following: a cost of

3   using a gateway, a load at a gateway, and system features provided by a gateway.

1   6.   (original) The method of claim 3, wherein said sending an access point

2   registration request further comprises sending security information in said access point

3   registration request.

1   7.   (original) The method of claim 6, wherein each access point selects a random

2   delay prior to sending said access point registration request to said gateway.

     8. – 32. (canceled)

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PAGE 3/8 * RCVD AT 1/26/2008 4:18:57 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/0 * DNIS:2738300 * CSID:+17325309808 * DURATION (mm-ss):01-48